

# Material Safety Data Sheet

LIQUISEAL-PART A

MSDS No. 302089

Date of Preparation: 09/01/2008

Revision: 017

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** LIQUISEAL-PART A

**Chemical Formula:** Mixture

**General Use:** Waterproofing Sealant

**Manufacturer:** Carlisle SynTec Incorporated, 1285 Ritner Highway, Carlisle, PA 17013, Phone: 800-479-6832

**Emergency Phone Number:** CHEMTREC (USA) 800-424-9300

## Section 2 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Warning – Causes mild skin irritation

Warning – Causes eye irritation

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**PPE**<sup>†</sup>

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### Potential Health Effects

**Primary Entry Routes:** Skin contact, skin absorption, eye contact, inhalation, ingestion.

**Target Organs:**

**Acute Effects**

**Inhalation:** Irritation of mucous membranes.

**Eye:** Irritation.

**Skin:** Irritation.

**Ingestion:** Irritation of mucous membranes.

**Carcinogenicity:** IARC, NTP, and OSHA do not list this product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

## Section 3 – Ingredient Information

Hazardous Ingredients	CAS Number	% wt
Carbon Black (Amorphous)	1333-86-4	1-5
Calcium Oxide	1305-78-8	1-5
Additional Ingredients	CAS Number	% wt
Silica	63231-67-4	1-5
Hydroxyl Terminated Polybutadiene	Proprietary	
Hydrotreated Naphthenic Oil	Proprietary	
Petroleum Hydrocarbon	Proprietary	
Calcium Carbonate	1317-65-3	

## Section 4 - First Aid Measures

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes.

**Skin Contact:** Immediately flush skin with running water and remove contaminated clothing. Wash exposed area with soap and water. Get medical attention.

**Ingestion:** DO NOT induce vomiting. Get medical attention immediately.

**Special Precautions/Procedures:** Whenever possible, remove the worker from the source of contamination.

## Section 5 - Fire-Fighting Measures

**Flash Point:** 490°F (254°C)

**Flash Point Method:** COC

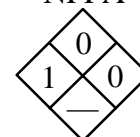
**Autoignition Temperature:** Not determined.

**LEL:** Not determined.

**UEL:** Not determined.

**Flammability Classification:** Not flammable.

NFPA



**Extinguishing Media:** In case of fire, use dry chemical, carbon dioxide, or foam. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide a smothering effect on fire and to cool fire-exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.

**Unusual Fire or Explosion Hazards:** Heat from fire can generate flammable vapor and be ignited when mixed with air. Vapors can burn in the open, or explode if confined. Vapors are heavier than air and may travel long distances along ground before igniting/flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point.

**Hazardous Combustion Products:** Small quantities of butadiene, carbon dioxide, and carbon monoxide may be released during a fire.

**Fire-Fighting Instructions:** Do not enter fire without proper protection. Heat may build up pressure and rupture closed containers. Avoid direct personal contact with liquid even after fire is out.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Absorb spill by applying sawdust, diatomaceous earth, clay, etc. Then pick up manually with shovel or broom.

### Large Spills:

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Dispose of in accordance with all local, state and federal regulations.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Wash with soap and water before eating or drinking. Launder contaminated clothing. Avoid skin contact-will stain. KEEP OUT OF REACH OF CHILDREN.

**Storage Requirements:** Store away from strong oxidizing agents and strong acids. Store between 33°F and 90°F (0°C-32°C). Keep from freezing.

## Section 8 - Exposure Controls / Personal Protection

### Hazardous Ingredients:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Carbon Black	3.5 mg/m <sup>3</sup> as dust	None estab.	3.5 mg/m <sup>3</sup>	None estab.	3.5 mg/m <sup>3</sup>	None estab.	1750 mg/m <sup>3</sup> (in ppm)
Calcium Oxide	5mg/m <sup>3</sup>	None estab.	2 mg/m <sup>3</sup>	None estab.	2 mg/m <sup>3</sup>	None estab.	25 mg/m <sup>3</sup>

**Engineering Controls:** Mechanical ventilation recommended if working in tightly enclosed area.

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

### Administrative Controls:

**Respiratory Protection:** A NIOSH approved respirator recommended if working in a tightly enclosed area.

**Protective Clothing/Equipment:** Permeation resistant gloves (that meet ANSI/ISEA 105-2005) recommended. Safety glasses or goggles recommended. Rubber boots or industrial shoes to protect feet from contact with product. Long sleeves, long trousers to protect skin from contact with product. Protective skin creams or emollients useful.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid.

**Appearance and Odor:** Black, very viscous liquid, slight, aromatic odor.

**Odor Threshold:** Not available.

**Vapor Pressure:** <0.001 mm Hg at 20°C (68°F)

**Vapor Density (Air=1):** Not available.

**Specific Gravity (H<sub>2</sub>O=1, at 4°C/39°F):** 1.23

**pH:** N/A

**Water Solubility:** Negligible.

**Boiling Point(°C):** >260 (500°F)

**Freezing/Melting Point(°C):** Not determined.

**% Volatile:** <1

**Evaporation Rate(nBuAc=1):** N/A

**VOC:** Less than 15 gpl

**Flash Point:** 490°F (254°C)

**Flash Point Method:** COC

**Autoignition Temperature:** Not determined.

**LEL:** Not determined.

**UEL:** Not determined.

## Section 10 - Stability and Reactivity

**Stability:** Stable.

**Possibility of Hazardous Reactions:** Will not occur.

**Chemical Incompatibilities:** Strong oxidizing agents, strong acids.

**Conditions to Avoid:** Oxidizing conditions, extreme temperatures.

**Hazardous Decomposition Products:** Small quantities of butadiene, along with carbon monoxide and carbon dioxide, may be released during a fire.

## Section 11- Toxicological Information

### Toxicity Data:

**Eye Effects:** Irritating

**Acute Inhalation Effects:** Product toxicity has not been determined.

**Skin Effects:** Irritating

**Acute Oral Effects:** Product toxicity has not been determined.

**Chronic Effects:** No chronic effects known to exist.

**Carcinogenicity:** Contains carbon black, listed under IARC as 2B rating. Not listed by OSHA or NTP.

**Mutagenicity:** No evidence.

**Teratogenicity:** No evidence.

## Section 12 - Ecological Information

**Ecotoxicity:** Not known

**Environmental Fate:** Not known

**Environmental Degradation:** Not known

**Soil Absorption/Mobility:** Not known

## Section 13 - Disposal Considerations

**Disposal:** Dispose of in accordance with all local, state, and federal regulations.

## Section 14 - Transport Information

### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not Regulated

**Shipping Symbols:** None

**Hazard Class:** None

**ID No.:** None

**Packing Group:** None

**Label:** None

**Special Provisions (172.102):** n/a

### Packaging Authorizations

a) Exceptions: n/a

b) Non-bulk Packaging: n/a

c) Bulk Packaging: n/a

### Quantity Limitations

a) Passenger, Aircraft, or Railcar: n/a

b) Cargo Aircraft Only: n/a

### Vessel Stowage Requirements

a) Vessel Stowage: n/a

b) Other: n/a

## Section 15 - Regulatory Information

### EPA Regulations:

**RCRA Hazardous Waste Number (40 CFR 261.33):** Not listed

**RCRA Hazardous Waste Classification (40 CFR 261):** Not classified

**TSCA (Toxic Substances Control Act) Status:**

TSCA (United States) – The intentional ingredients of this product are listed.

**CERCLA Hazardous Substance RQ – 40 CFR 302.4 (a):** Not listed

**SARA 311/312 Codes:**

Immediate (X)    Delayed (X)    Fire ( )    Reactive ( )    Sudden Release of Pressure ( )

**SARA 313 Components (40 CFR 372.65):** Not listed

**SARA EHS (Extremely Hazardous Substance) (40 CFR 355):** Not listed, Threshold Planning Quantity (TPQ)

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29 CFR 1910): None listed

**EPA Accidental Release Prevention (40 CFR 68):** None listed

**State Regulations:**

**California Proposition 65:**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause reproductive harm:

Carbon Black

**Delaware Air Quality Management List:** None Listed

**Massachusetts Hazardous Substances List:**

Chemical Name	CAS #	Codes
Carbon Black	1333-86-4	2, 4, F5
Calcium Oxide	1305-78-8	2, 4, 5
Calcium Carbonate	1317-65-3	4
Amorphous Silica	7631-86-9	2, 4, 5, F5

**Michigan Critical Materials Registry:** None Listed

**Minnesota Hazardous Substance:**

Chemical Name	Codes	Hazards	Carcinogen?
Carbon Black	ANOR	---	Yes
Calcium Oxide	AO	--	No
Calcium Carbonate	A	--	No
Silica	ANOR	--	*T*

**New Jersey RTK Label Information:** None Listed

**New York List of Hazardous Substances:** None Listed

**Pennsylvania RTK Label Information**

Chemical Name	CAS #	Code
Carbon Black	1333-86-4	--
Calcium Oxide	1305-78-8	--
Calcium Carbonate	1317-65-3	--
Silica	76-31-86-9	--

**Washington Air Contaminant:**

TWA (ppm):	None listed
TWA (mg):	3.5 (Carbon Black) 2.0 (Calcium Oxide) 10 (Calcium Carbonate)
STEL (ppm):	None listed
STEL (mg):	None listed
Ceiling (ppm):	None listed
Ceiling (mg):	None listed
Skin:	None listed

**Section 16 - Other Information****Prepared By:** Research & Development**Revision Notes:** General Review - Formatting Changes**Disclaimer:** The information contained in this document is based upon data that was supplied to Carlisle by other companies and organizations. No warranty of merchantability or fitness for a particular purpose is expressed or implied regarding the accuracy or completeness of the data and/or information in this material safety data sheet.